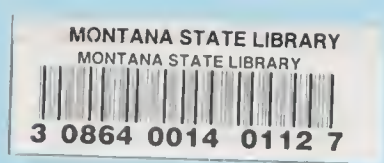
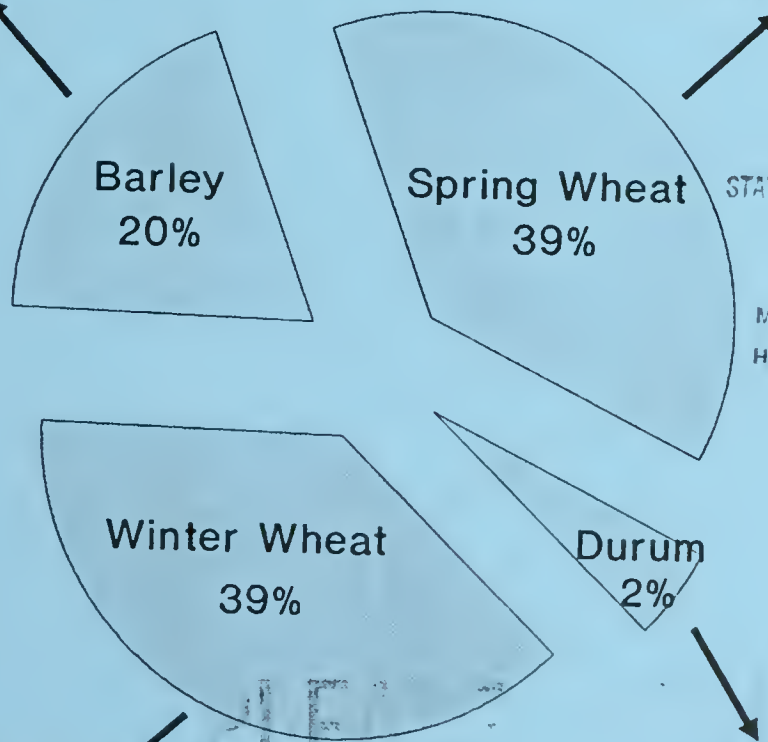
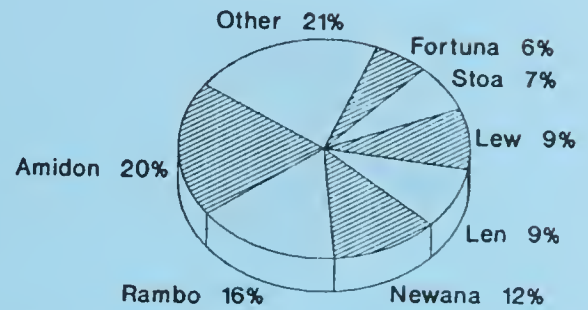
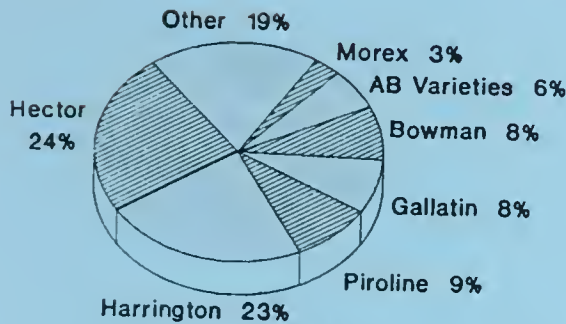


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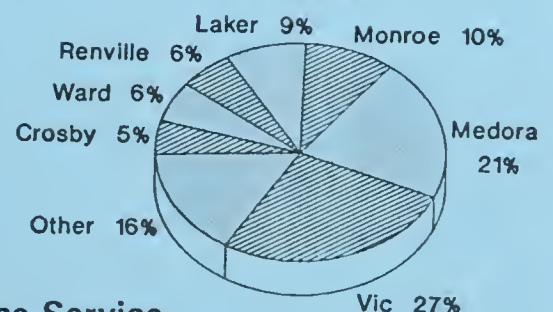
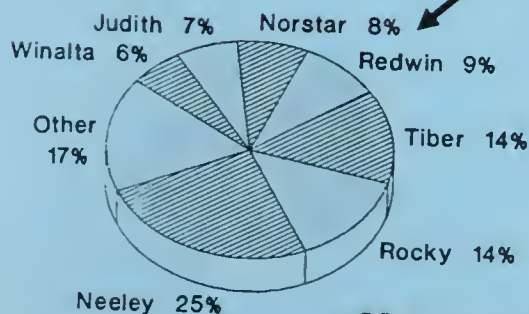
# MONTANA WHEAT & BARLEY VARIETIES 1992



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Montana Agricultural Statistics Service  
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# MONTANA WHEAT & BARLEY VARIETIES

## Foreword

This publication is the result of a June survey of Montana grain growers. It contains names, characteristics and production records of the leading varieties in Montana in 1992. We wish to thank the many farmers who voluntarily provided us with variety information.

Funding for the barley varieties survey was provided by the Montana Wheat & Barley Committee and the American Malting Barley Association, Inc. The wheat variety survey was funded by the Montana Wheat & Barley Committee. Montana State University provided varietal characteristic information.

Carmen Rost, student assistant, was responsible for data editing and analysis. She also composed the tables, graphics and the layout for this publication.

Plant researchers continually develop new grain varieties with promises of higher yields, improved baking and milling qualities and increased insect and disease resistance. Montana farmers test these new varieties in their fields with hopes of increasing their overall farm profits. Shifts occur in the acres of varieties planted, as farmers discover what works or doesn't work for them.

Montana Wheat & Barley Committee  
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August 1992

# WINTER WHEAT

**Neeley** remains in top position for the fifth consecutive year. It is a semi-dwarf, intermediate maturing variety, first released in 1980. Neeley quickly became a leading variety, replacing acreage previously planted to Redwin, Norstar, Winalta and Centurk. For the last five years it has accounted for about one quarter of the total winter wheat planted acres. Neeley is the top variety in central and southwest Montana, making up about 50% of the acreage in these districts. Neeley has moderate to good milling and baking qualities, but has a 1 to 3 percent lower protein content than other recommended varieties.

**Rocky** once again claims second place just narrowly edging out Tiber with 353,400 acres. Rocky, grown mainly in northcentral Montana, increased 7 percent over last year's acreage. It is a high yielding variety released by North American Plant Breeders with good stem and leaf rust resistance and acceptable milling and baking qualities.

**Tiber** planting increased 29 percent and climbed into third place. It accounts for almost 14 percent of total winter wheat acreage. Tiber was released by M.S.U. in 1987 and has increased in percent of total winter wheat acres each year. Tiber has high yield potential, good winter hardiness and drought tolerance. Tiber also has good milling and baking qualities.

**Redwin** acreage dropped 20 percent to fourth place. This prominent variety has been on the decline since 1984 but still accounts for 9 percent of the total. Redwin is the leading variety in southeast Montana. Redwin was released by Montana State University with good yield potential, winter hardiness, shatter and lodging resistance and a high protein content.

The top four varieties accounted for 61 percent of the winter wheat acreage seeded in 1992 compared with 63 percent for the same varieties in 1991.



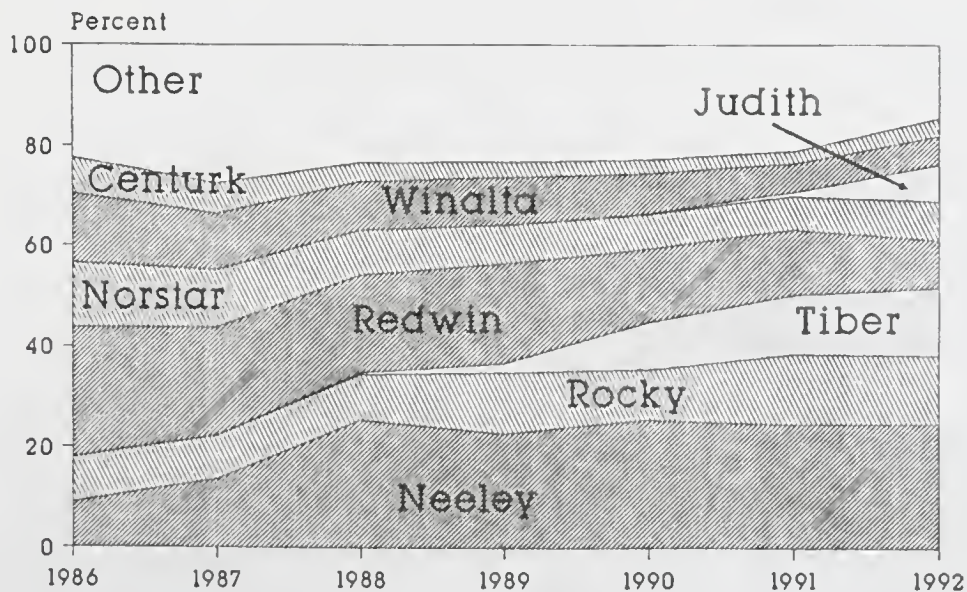
## WINTER WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1987-1992 AND SEEDED ACREAGE 1991-1992

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Neeley	13.7	25.5	22.8	25.7	24.7	24.7	579.9	643.0
Rocky	8.7	9.0	12.0	9.9	14.0	13.6	328.9	353.4
Tiber	--	0.3	1.9	9.5	11.7	13.6	274.5	353.0
Redwin	21.5	19.6	19.8	14.5	13.0	9.4	305.8	244.0
Norstar	11.3	8.7	7.6	6.9	6.6	7.7	154.9	200.3
Judith	--	--	--	0.1	0.8	7.3	19.6	191.0
Winalta	11.2	9.8	9.7	8.0	5.8	5.8	135.6	151.8
Centurk	6.1	3.8	3.0	2.7	2.4	3.5	55.3	90.6
Roughrider	4.5	4.1	2.0	1.9	3.6	2.4	84.7	62.2
Cimmaron	--	0.2	0.5	0.1	0.6	1.1	14.1	27.6
Hawk	0.2	0.6	1.2	0.7	0.9	1.0	20.3	26.5
Cree	4.2	2.9	3.1	3.9	2.0	0.9	47.6	22.9
Cheyenne	3.4	1.7	1.4	1.8	1.2	0.8	27.7	20.6
Warrior	0.6	0.8	1.0	1.1	0.4	0.6	9.4	15.5
Weston	1.0	1.1	1.6	1.6	1.8	0.6	42.8	14.3
Sage	0.6	1.1	0.6	1.5	0.3	0.4	7.1	11.6
Archer	0.3	0.2	0.4	0.4	0.5	0.4	11.8	11.5
Thunderbird	0.2	0.4	0.5	1.1	1.8	0.4	43.0	10.7
Bighorn	0.1	0.1	0.3	0.6	0.8	0.3	17.8	6.9
Vona	0.5	0.3	0.4	0.5	0.6	0.3	15.4	6.9
Other & Unknown	11.9	9.8	10.2	7.5	6.5	5.2	153.8	135.7
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2350.0	2600.0

1/ Revised 2/ Preliminary

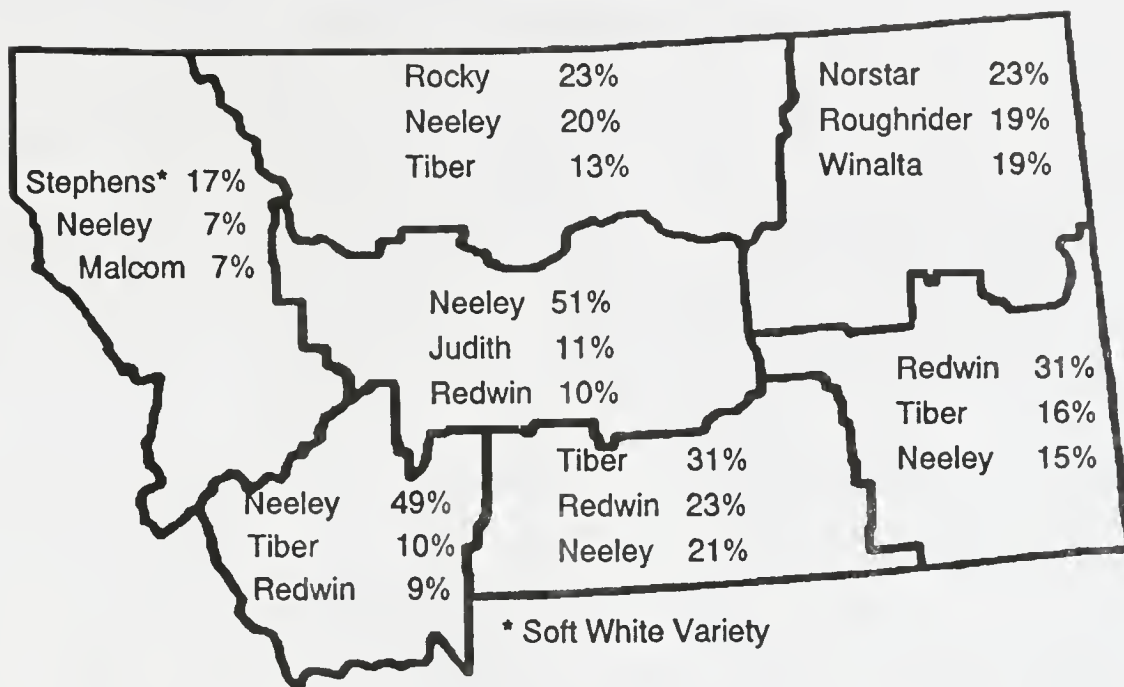
### Winter Wheat Varieties 1986-92 Major Varieties as Percent of Total



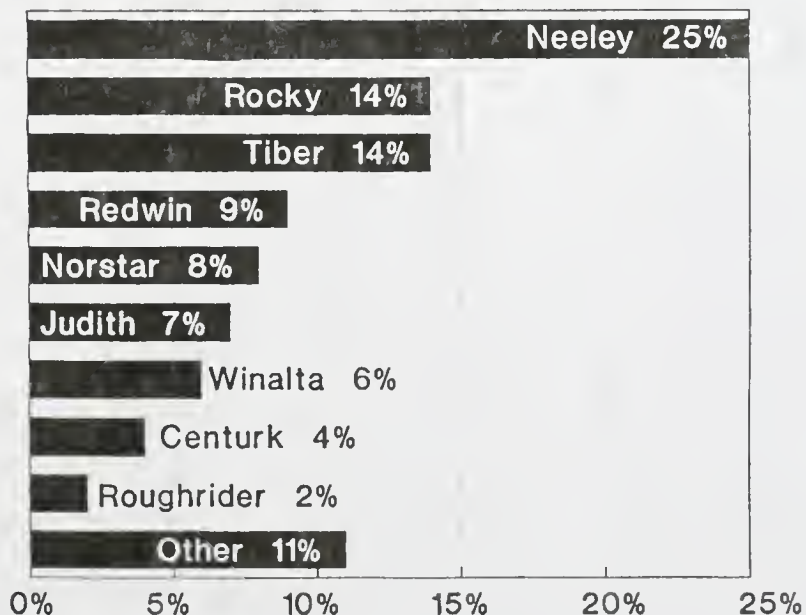
# WINTER WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS - 1992 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES	%	ACRES	%	ACRES	%	ACRES	%	ACRES	%	ACRES	%	ACRES	%	ACRES	%
	(000)		(000)		(000)		(000)		(000)		(000)		(000)		(000)	
Neeley	1.7	7.3	269.3	19.7	32.9	12.2	237.8	50.6	19.6	49.0	59.1	21.1	22.6	15.1	643.0	24.7
Rocky	--	--	318.5	23.3	1.9	0.7	25.4	5.4	0.3	0.8	7.3	2.6	--	--	353.4	13.6
Tiber	--	--	180.4	13.2	13.5	5.0	45.1	9.6	3.9	9.8	86.8	31.0	23.3	15.5	353.0	13.6
Redwin	0.8	3.5	64.2	4.7	17.8	6.6	47.9	10.2	3.5	8.6	63.0	22.5	46.8	31.2	244.0	9.4
Norstar	--	--	136.7	10.0	61.0	22.6	1.4	0.3	--	--	--	--	1.2	0.8	200.3	7.7
Judith	--	--	135.3	9.9	1.4	0.5	52.6	11.2	1.4	3.6	0.3	0.1	--	--	191.0	7.3
Winalta	--	--	71.1	5.2	50.2	18.6	8.5	1.8	0.3	0.8	--	--	21.7	14.5	151.8	5.8
Centurk	--	--	71.1	5.2	--	--	9.4	2.0	1.7	4.3	8.4	3.0	--	--	90.6	3.5
Roughrider	--	--	--	--	51.8	19.2	--	--	--	--	--	--	10.4	6.9	62.2	2.4
Cimmaron	--	--	24.6	1.8	--	--	2.4	0.5	--	--	--	--	0.6	0.4	27.6	1.1
Hawk	0.2	1.0	8.2	0.6	--	--	0.5	0.1	--	--	17.6	6.3	--	--	26.5	1.0
Cree	--	--	19.1	1.4	--	--	1.4	0.3	0.9	2.3	--	--	1.5	1.0	22.9	0.9
Cheyenne	--	--	9.6	0.7	1.4	0.5	0.9	0.2	--	--	8.7	3.1	--	--	20.6	0.8
Warrior	--	--	0.4	--	--	--	--	--	--	--	7.6	2.7	7.5	5.0	15.5	0.6
Weston	--	--	--	--	--	--	1.9	0.4	--	--	10.4	3.7	2.0	1.3	14.3	0.6
Sage	--	--	--	--	10.0	3.7	--	--	--	--	--	--	1.6	1.1	11.6	0.4
Archer	--	--	9.6	0.7	--	--	1.9	0.4	--	--	--	--	--	--	11.5	0.4
Thunderbird	--	--	2.7	0.2	3.8	1.4	4.2	0.9	--	--	--	--	--	--	10.7	0.4
Bighorn	--	--	5.5	0.4	--	--	0.5	0.1	--	--	--	--	0.9	0.6	6.9	0.3
Vona	--	--	2.7	0.2	--	--	4.2	0.9	--	--	--	--	--	--	6.9	0.3
Other & Unknown	20.3	88.2	38.0	2.8	24.3	9.0	24.0	5.1	8.4	20.8	10.8	3.9	9.9	6.6	135.7	5.2
ALL VARIETIES	23.0	100.0	1367.0	100.0	270.0	100.0	470.0	100.0	40.0	100.0	280.0	100.0	150.0	100.0	2600.0	100.0

## TOP THREE WINTER WHEAT VARIETIES AND PERCENT PLANTED BY DISTRICT



## 1992 WINTER WHEAT VARIETIES



## SPRING WHEAT

**Amidon ND(606)** shot up into the first position as planted acreage increased 74 percent, contributing 20 percent to spring wheat acreage. It was released in 1988 by NDSU. Amidon is especially adapted to dryland conditions where it has excellent yield potential. It has good resistance to both leaf and stem rust, has root rot tolerance and good milling qualities.

**WestBred Rambo** maintained its second position, with planted acreage increasing over 20 percent. It is the top variety in northcentral Montana which has over 86 percent of the total Rambo planted this year. In five years Rambo has climbed from less than 1 percent to become an important variety in the state. It was released by the Western Plant Breeders, with sawfly, and lodging resistance. Rambo contributed 16 percent to the total planted spring wheat acres.

**Newana**, remained in third place, with planted acreage declining 5 percent and accounting for 12 percent of the total planted acres. Newana is a popular spring wheat variety that is grown in every district of the state. It is the top variety in the central section of Montana this year with 40 percent of that district's planted acres. Newana was released by M.S.U, and is a semi-dwarf variety with good milling quality and yield potential.

**Len** moved from fifth place last year to fourth place this year, although planted acreage dropped 26 percent. The northeastern area of the state has a large majority of the Len this year. Len is a semi-dwarf variety from North Dakota with excellent milling and baking quality.

These top four spring wheat varieties represent 57 percent of the acreage seeded in 1992 compared with 50 percent for the same varieties in 1991.



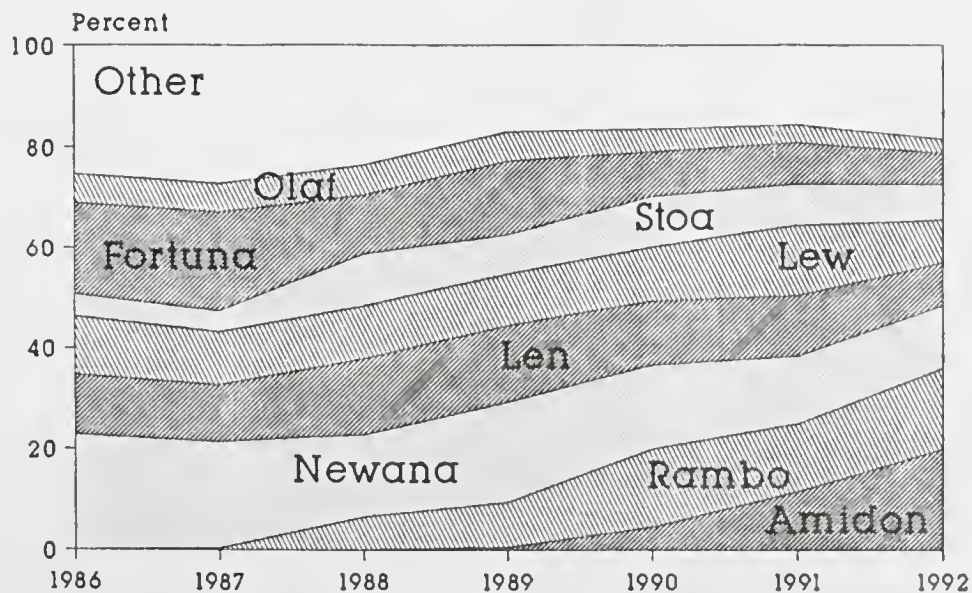
## SPRING WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1987-1992 AND SEEDED ACREAGE 1991-1992

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Amidon (ND 606)	--	--	0.6	4.7	11.7	20.0	304.8	531.3
WestBred Rambo	0.4	6.6	9.0	15.5	13.5	16.0	351.7	424.1
Newana	21.0	16.2	19.7	16.6	13.3	12.4	346.7	328.2
Len	11.3	15.1	15.2	12.7	11.9	8.6	308.3	227.9
Lew	10.4	10.4	10.2	10.7	14.1	8.6	367.2	226.7
Stoa	4.2	10.3	7.9	10.0	8.1	7.0	210.1	185.2
Fortuna	19.7	11.8	14.6	9.0	8.2	6.2	213.2	164.0
Olaf	5.7	5.9	5.8	4.5	3.6	2.8	93.0	74.0
Tioga	3.8	3.1	1.1	1.4	1.1	1.4	28.8	37.2
Pondera	3.0	1.8	2.4	2.2	0.8	1.3	20.5	35.4
Northrup King 751	1.8	0.9	0.5	1.3	0.8	1.2	21.2	30.9
Leader	1.5	0.9	1.1	0.7	0.4	1.2	11.6	30.7
WestBred 926	--	0.1	0.1	0.3	0.7	0.8	17.4	21.9
Grandin	--	--	--	--	0.2	0.8	5.2	21.6
Glenman	1.7	1.1	2.4	1.4	1.5	0.7	37.7	17.5
Celtic	--	--	--	--	0.4	0.6	10.8	17.0
Bounty 309	0.4	0.3	0.2	0.2	0.3	0.6	7.8	16.7
Butte	1.9	0.8	0.4	0.4	2.0	0.5	51.3	12.8
Cutlass	0.2	1.1	0.5	0.7	0.7	0.5	17.3	12.0
Other & Unknown	13.0	13.6	8.3	7.7	6.7	8.8	175.4	234.9
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2600.0	2650.0

1/ Revised. 2/ Preliminary.

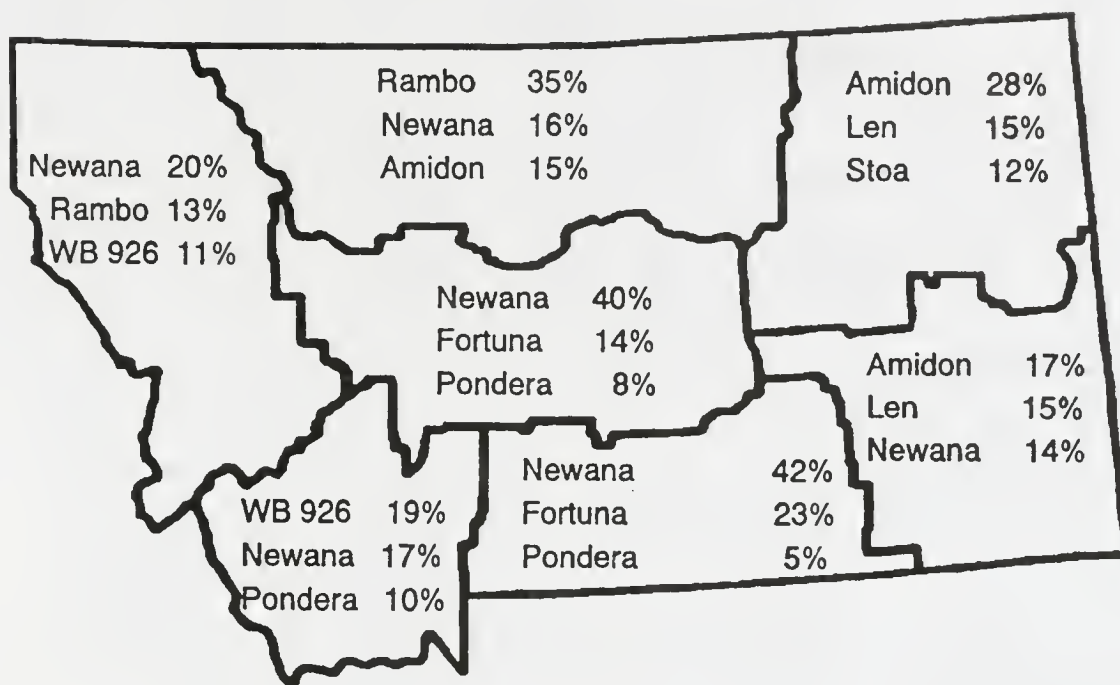
### Spring Wheat Varieties 1986-92 Major Varieties as Percent of Total



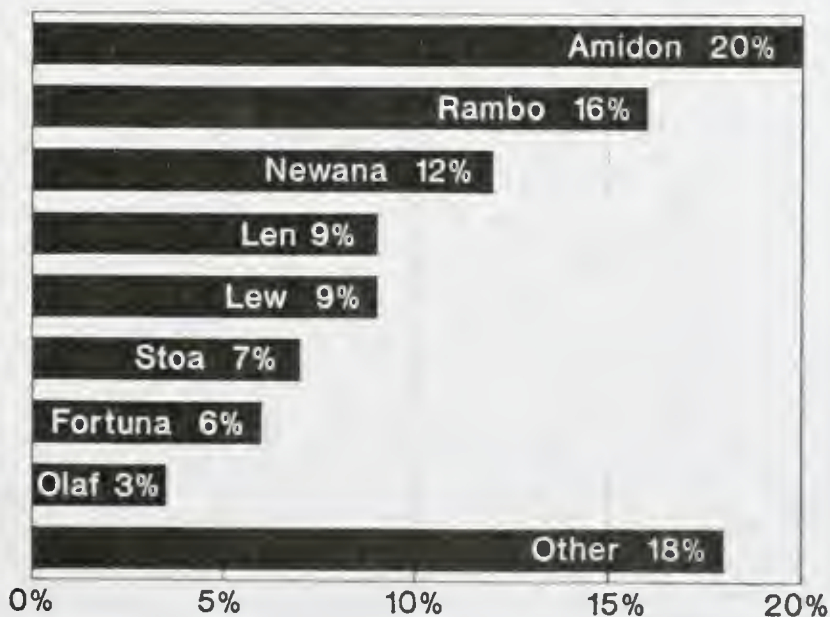
# SPRING WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS -- 1992 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon (ND 606)	--	--	155.9	14.8	343.4	27.5	3.4	3.4	--	--	1.3	3.8	27.3	17.1	531.3	20.0
WestBred Rambo	3.8	12.7	365.3	34.7	50.1	4.0	4.9	4.9	--	--	--	--	--	--	424.1	16.0
Newana	6.0	20.0	164.1	15.6	76.2	6.1	39.9	39.9	4.4	16.9	14.6	41.6	23.0	14.4	328.2	12.4
Len	--	--	14.8	1.4	189.7	15.2	--	--	--	--	--	--	23.4	14.6	227.9	8.6
Lew	--	--	132.5	12.6	82.7	6.6	2.3	2.3	--	--	0.5	1.5	8.7	5.4	226.7	8.6
Stoa	--	--	21.6	2.1	143.5	11.5	0.9	0.9	--	--	--	--	19.2	12.0	185.2	7.0
Fortuna	--	--	112.7	10.7	25.8	2.1	13.7	13.7	0.4	1.6	8.2	23.3	3.2	2.0	164.0	6.2
Olaf	--	--	1.7	0.2	67.0	5.4	--	--	--	--	--	--	5.3	3.3	74.0	2.8
Tioga	--	--	--	--	37.2	3.0	--	--	--	--	--	--	--	--	37.2	1.4
Pondera	--	--	17.9	1.7	5.2	0.4	8.0	8.0	2.6	10.0	1.7	4.9	--	--	35.4	1.3
Northrup King 751	1.0	3.3	9.8	0.9	11.0	0.9	--	--	--	--	1.3	3.8	7.8	4.9	30.9	1.2
Leader	--	--	--	--	30.4	2.4	0.3	0.3	--	--	--	--	--	--	30.7	1.2
WestBred 926	3.4	11.3	3.8	0.4	1.0	0.1	6.6	6.6	5.0	19.2	--	--	2.1	1.3	21.9	0.8
Grandin	--	--	0.5	--	14.4	1.2	--	--	--	--	--	--	6.7	4.2	21.6	0.8
Glenman	--	--	15.0	1.4	--	--	2.5	2.5	--	--	--	--	--	--	17.5	0.7
Celtic	--	--	--	--	17.0	1.4	--	--	--	--	--	--	--	--	17.0	0.6
Bounty 309	--	--	--	--	16.7	1.3	--	--	--	--	--	--	--	--	16.7	0.6
Butte	--	--	--	--	12.2	1.0	--	--	--	--	--	--	0.6	0.4	12.8	0.5
Cutlass	--	--	--	--	12.0	1.0	--	--	--	--	--	--	--	--	12.0	0.5
Other & Unknown	15.8	52.7	36.4	3.5	111.5	8.9	17.5	17.5	13.6	52.3	7.4	21.1	32.7	20.4	234.9	8.8
ALL VARIETIES	30.0	100.0	1052.0	100.0	1247.0	100.0	100.0	100.0	26.0	100.0	35.0	100.0	160.0	100.0	2650.0	100.0

# TOP THREE SPRING WHEAT VARIETIES AND PERCENT PLANTED BY DISTRICT



## 1992 SPRING WHEAT VARIETIES



# DURUM WHEAT

**Vic** continues to be the most prominent durum wheat variety grown in Montana with 35,100 acres or 27 percent of the total planted acreage. The largest share of Vic was planted in the northeast district. Vic is of medium height with good disease resistance to stem rust and root rot. It is moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

**Medora** moved into second place this season with 21 percent of the planted acreage. Medora occupied almost 23 percent of the northeast's total planted acres of durum. It has been on the scene for six years and has been one of the top five durum wheat varieties since 1988. Medora is a strong-strawed, disease resistant variety with high yield potential.

**Monroe** dropped to third place with acreage decreasing by almost half. Since its introduction in 1986 it has become one of the top varieties grown in the northeast section of the state. This year it accounted for over 11 percent of the durum planted in that district. It was released by North Dakota in 1985. Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

**WestBred Laker**, the fourth leading durum wheat variety, accounted for 11,000 acres. WestBred Laker is the most prominent variety in the northcentral portion of the state. It is a tall semi-dwarf released by the Western Plant Breeders in 1986. WestBred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential.

The top four varieties represent 67 percent of the acreage seeded in 1992 compared with 56 percent for the same varieties in 1991.



# DURUM WHEAT

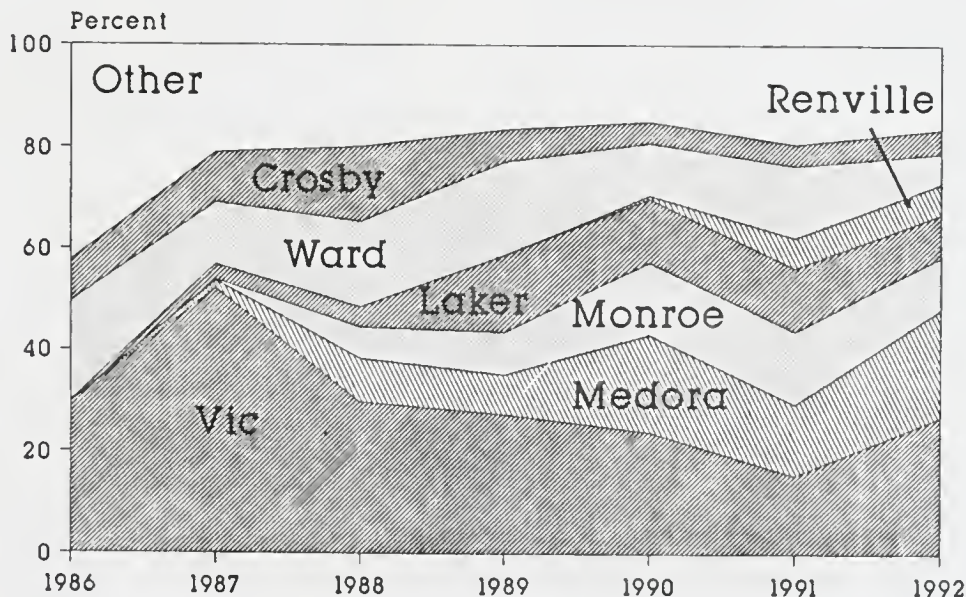
PERCENT OF TOTAL SEEDED ACREAGE 1987-1992 & SEEDED ACREAGE 1991-92

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Vic	52.1	29.7	27.4	24.0	15.5	27.0	27.9	35.1
Medora	1.4	8.6	7.8	19.0	14.0	21.1	25.2	27.4
Monroe	0.3	6.1	8.3	14.3	14.2	10.4	25.5	13.5
WestBred Laker	3.0	4.0	15.2	12.7	12.6	8.5	22.7	11.0
Renville	--	--	--	0.6	6.0	6.0	10.9	7.8
Ward	12.3	17.0	18.5	10.2	14.1	5.9	25.3	7.7
Crosby	9.9	14.7	6.3	4.3	4.3	4.8	7.7	6.3
Kyle	--	0.1	0.3	--	--	2.0	--	2.6
Wakooma	--	0.7	1.3	4.0	0.2	1.4	0.4	1.8
Wascana	--	1.7	--	1.0	--	1.2	--	1.6
Lloyd	4.1	6.6	4.6	1.4	5.4	0.2	9.7	0.3
Other & Unknown	16.9	10.8	10.3	8.5	13.7	11.5	24.7	14.9
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	180.0	130.0

1/ Revised 2/ Preliminary

## Durum Wheat Varieties 1986-92

Major Varieties as Percent of Total

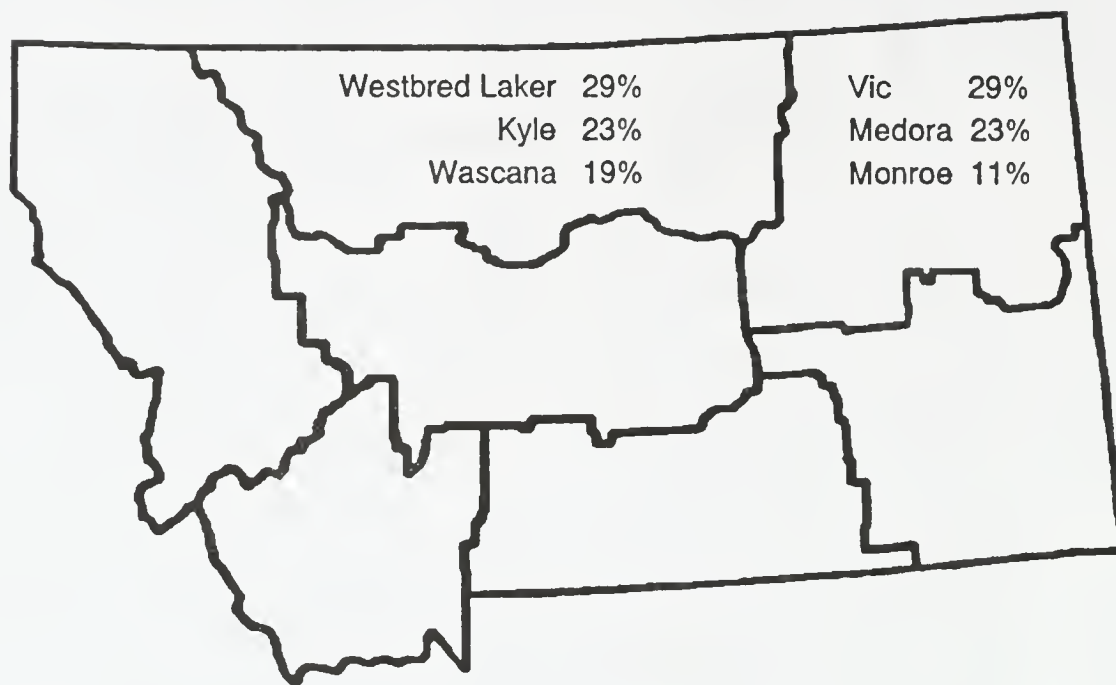


## DURUM WHEAT VARIETIES

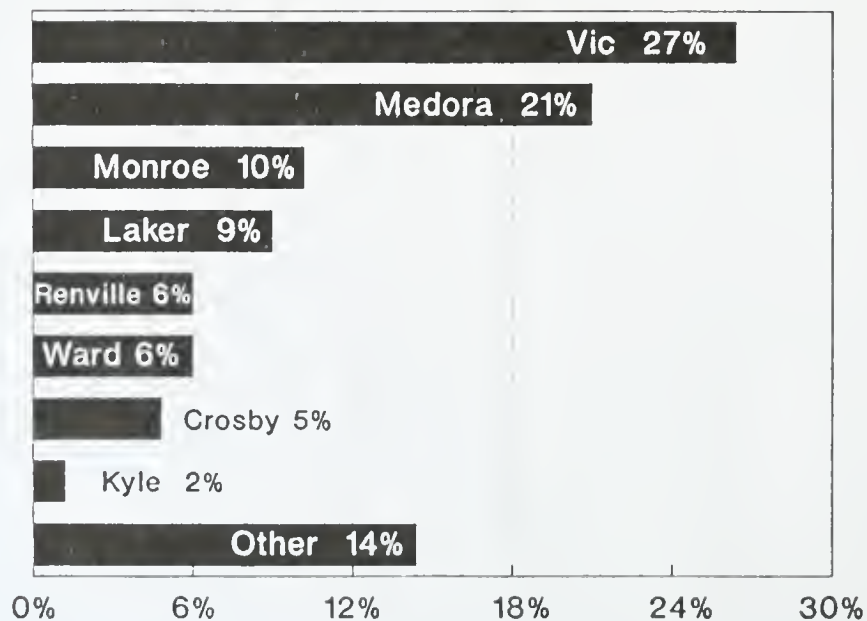
SEEDED ACREAGE & PERCENT OF TOTAL BY DISTRICTS - 1992 PRELIMINARY

VARIETY	NORTH CENTRAL		NORTHEAST		OTHER DISTRICTS		STATE	
	Acres		Acres		Acres		Acres	
	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT
Vic	--	--	34.7	28.9	0.4	28.6	35.1	27.0
Medora	--	--	27.4	22.8	--	--	27.4	21.1
Monroe	--	--	13.5	11.2	--	--	13.5	10.4
WestBred Laker	2.4	28.6	8.5	7.1	0.1	7.1	11.0	8.5
Renville	--	--	7.8	6.5	--	--	7.8	6.0
Ward	--	--	7.7	6.4	--	--	7.7	5.9
Crosby	--	--	6.3	5.2	--	--	6.3	4.8
Kyle	1.9	22.6	0.7	0.6	--	--	2.6	2.0
Wakooma	--	--	1.7	1.4	0.1	7.1	1.8	1.4
Wascana	1.6	19.0	--	--	--	--	1.6	1.2
Lloyd	0.3	3.6	--	--	--	--	0.3	0.2
Other & Unknown	2.2	26.2	11.9	9.9	0.8	57.2	14.9	11.5
STATE TOTAL	8.4	100.0	120.2	100.0	1.4	100.0	130.0	100.0

# TOP THREE DURUM WHEAT VARIETIES AND PERCENT PLANTED BY DISTRICT



## 1992 DURUM WHEAT VARIETIES



# BARLEY

In 1992, Montana farmers planted 1.35 million acres of barley, 25 percent below 1991, and 32 percent less than the average of the last 10 years.

**Hector**, down 30 percent in planted acreage, remains the leading barley variety. A feed type variety, it has been number one for the past 11 years. Coming in at a close second is **Harrington**. This malting type barley decreased 32 percent from last year. Together, these two varieties account for almost half of the total seeded acres in the state.

## MALTING TYPE BARLEY VARIETIES

Varieties grown in Montana and recommended by the American Malting Barley Association for malting and brewing accounted for 383,200 acres or 28 percent of the total. This is a decrease of 10 percent from last year.

**Harrington**, planted on 23 percent of the total barley acreage, remains the leading malting type variety. More than 83 percent of the **Harrington** is grown in the northcentral district. **Harrington** was released by the University of Saskatchewan and was developed from the cross Klages/SK.

**Morex** declined 52 percent from last year but remains in second place. Over half of the **Morex** grown is located in the northcentral area of the state. **Morex** is a midwestern six-rowed variety.

**Moravian III**, the third most prevalent malting barley, is down 15 percent from 1991. It accounts for 7 percent of the total malting type varieties planted. **Moravian III** is a two-rowed variety.

## FEED TYPE VARIETIES

**Hector** is the first place feed type variety with 24 percent of the state total. Five out of the seven districts in Montana have **Hector** in the top two varieties planted. It is the most important variety in eastern Montana. **Hector** is a high yielding two-rowed variety from Lethbridge, Canada with good test weight and good lodging resistance.

**Piroline** acreage increased slightly, accounting for 127,100 acres. It remains in second place among feed type barleys although prior to 1992 its percent of the planted acres had been decreasing since 1985. **Piroline** is a two-rowed variety, relatively strong strawed with medium yield ability and good test weight.

**Gallatin** once again claims third position among feed varieties and totaled 106,600 acres. It increased 5 percent over last year's acreage. The largest share of **Gallatin** was planted in the northcentral region of the state. Since 1987, **Gallatin** has experienced a gradual increase in its percent of the total barley acres seeded each year.



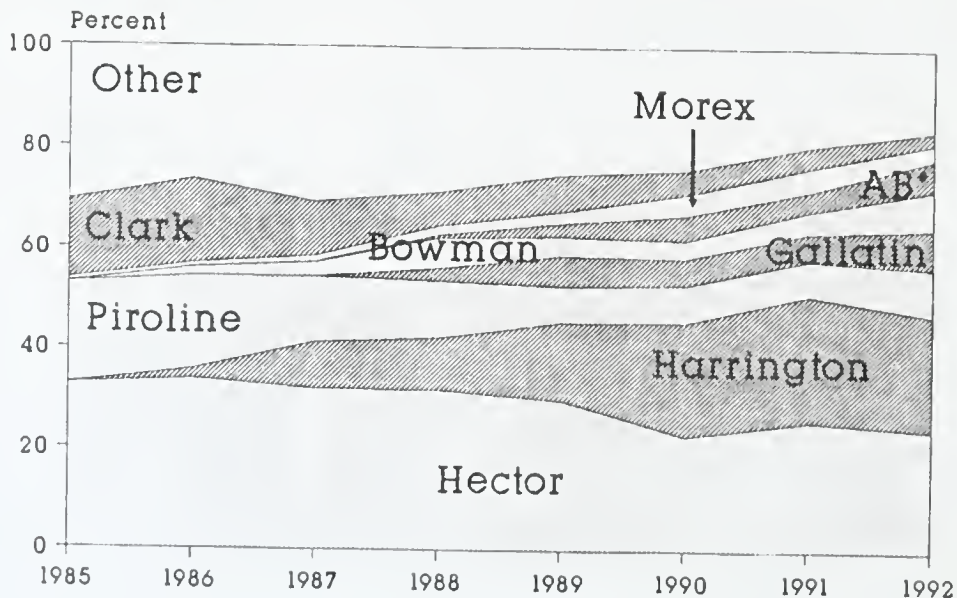
# MONTANA BARLEY VARIETIES

PERCENT OF TOTAL SEEDED ACREAGE 1987-1992 & SEEDED ACREAGE 1991-92

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Hector	31.9	31.8	29.8	22.9	25.8	24.2	464.4	327.2
Harrington	9.4	10.5	15.6	22.7	25.3	23.0	456.1	311.1
Piroline	13.0	11.3	7.3	7.4	7.0	9.4	125.6	127.1
Gallatin	0.1	2.6	6.0	5.4	5.6	7.9	101.3	106.6
Bowman	2.9	5.1	3.0	2.7	4.3	7.7	77.2	104.1
AB Varieties	--	0.6	2.7	5.0	3.9	6.0	70.5	81.2
Morex	1.2	1.9	2.3	4.1	4.6	3.0	83.6	40.0
Clark	10.9	6.7	7.2	4.7	4.1	2.5	73.7	33.3
Lewis	1.8	3.2	2.4	2.1	3.0	2.1	53.1	28.3
Moravian III	0.5	1.0	1.2	2.5	1.7	1.9	29.8	25.2
Horsford	0.8	0.7	1.6	1.8	2.2	1.4	40.4	19.4
Menuet	2.2	1.7	1.1	1.2	1.7	1.2	31.2	16.2
Bearpaw	--	--	--	--	0.2	0.8	3.7	10.3
WestBred Medallion	--	--	--	--	0.1	0.5	1.8	7.2
Steptoe	0.3	0.2	0.1	0.1	0.1	0.4	1.8	4.8
Kimberly	2.7	2.5	2.4	1.8	1.2	0.3	21.7	4.6
Summit	0.7	1.1	0.4	0.5	--	0.3	0.7	4.5
Klages	14.6	11.0	9.8	7.2	3.3	0.3	58.8	3.9
Sprinter	--	--	--	0.4	--	0.3	--	3.5
Unitan	0.5	0.6	0.6	0.8	0.7	0.2	12.9	3.1
Other and Unknown	6.5	7.5	6.5	6.7	5.2	6.6	91.7	88.4
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	1800.0	1350.0

1/ Revised 2/ Preliminary

## Barley Varieties 1985-92 Major Varieties as Percent of Total



\* AB Varieties combined



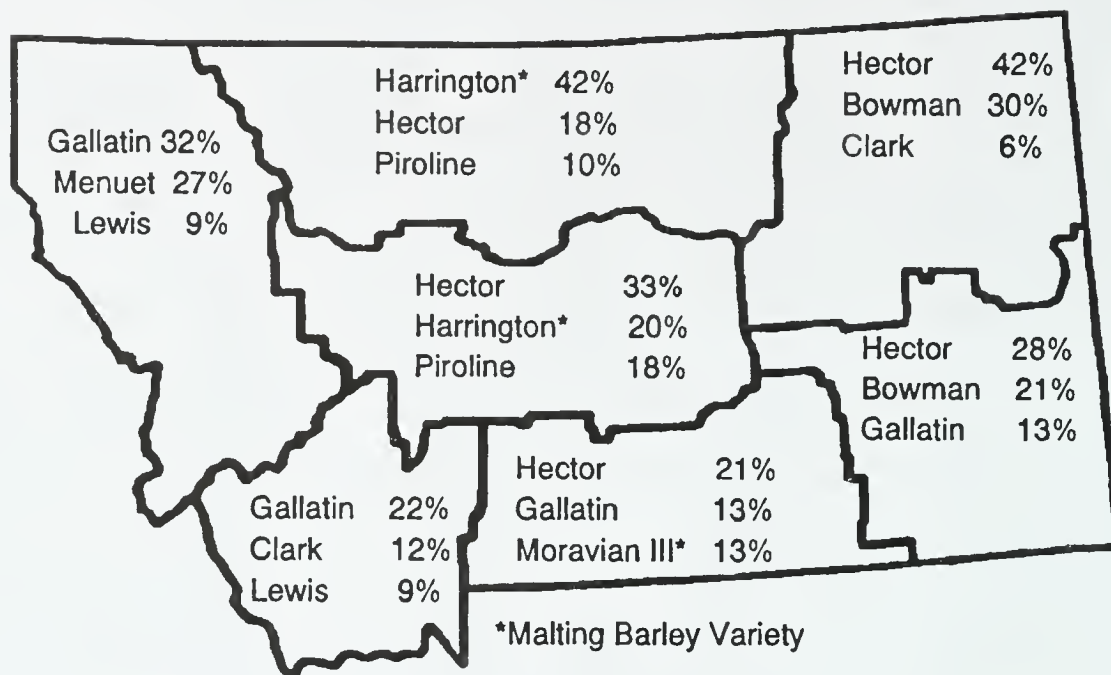
# MONTANA BARLEY VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS—1992 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	0.1	0.3	108.5	17.8	88.1	42.0	86.9	33.4	2.3	3.8	21.7	20.7	19.6	28.4	327.2	24.2
Harrington M	0.7	1.9	258.6	42.4	0.2	0.1	50.7	19.5	--	--	0.9	0.9	--	--	311.1	23.0
Piroline	--	--	62.1	10.2	2.2	1.0	47.3	18.2	1.2	2.0	6.7	6.4	7.6	11.0	127.1	9.4
Gallatin	11.4	31.6	34.5	5.7	1.4	0.7	22.8	8.8	13.3	22.2	14.1	13.4	9.1	13.2	106.6	7.9
Bowman	--	--	6.6	1.1	63.6	30.3	6.1	2.3	--	--	13.2	12.6	14.6	21.2	104.1	7.7
AB Varieties*	--	--	60.9	10.0	1.5	0.7	13.1	5.0	--	--	5.7	5.4	--	--	81.2	6.0
Morex M	--	--	24.7	4.0	0.8	0.4	2.3	0.9	5.0	8.3	7.2	6.8	--	--	40.0	3.0
Clark	0.7	2.0	1.4	0.2	11.7	5.6	6.0	2.3	6.9	11.5	6.6	6.3	--	--	33.3	2.5
Lewis	3.4	9.3	7.9	1.3	5.8	2.8	5.0	1.9	5.5	9.2	--	--	0.7	1.0	28.3	2.1
Moravian III M	--	--	11.2	1.8	--	--	--	--	--	--	14.0	13.3	--	--	25.2	1.9
Horsford	1.3	3.5	1.4	0.2	9.1	4.3	2.2	0.9	0.7	1.2	2.2	2.1	2.5	3.6	19.4	1.4
Menuet	9.5	26.5	1.6	0.3	0.5	0.2	--	--	4.3	7.2	0.3	0.3	--	--	16.2	1.2
Bearpaw	--	--	5.3	0.9	--	--	3.9	1.5	1.1	1.8	--	--	--	--	10.3	0.8
WestBred Medallion	--	--	--	--	0.9	0.4	1.5	0.6	4.2	7.0	0.6	0.6	--	--	7.2	0.5
Step toe	0.7	2.0	0.3	--	1.7	0.8	--	--	--	--	--	--	2.1	3.0	4.8	0.4
Kimberly	--	--	4.0	0.7	0.6	0.3	--	--	--	--	--	--	--	--	4.6	0.3
Summit	--	--	2.3	0.4	--	--	2.2	0.9	--	--	--	--	--	--	4.5	0.3
Klages M	--	--	1.5	0.2	--	--	1.3	0.5	--	--	1.1	1.0	--	--	3.9	0.3
Sprinter	1.6	4.6	--	--	1.3	0.6	0.6	0.2	--	--	--	--	--	--	3.5	0.3
Unitan	0.2	0.5	--	--	--	--	0.2	0.1	0.8	1.3	--	--	--	--	3.1	0.2
Other and Unknown	6.4	17.8	17.2	2.8	20.6	9.8	7.9	3.0	14.7	24.5	10.7	10.2	10.9	15.8	88.4	6.6
ALL VARIETIES	36.0	100.0	610.0	100.0	210.0	100.0	260.0	100.0	60.0	100.0	105.0	100.0	69.0	100.0	1350.0	100.0

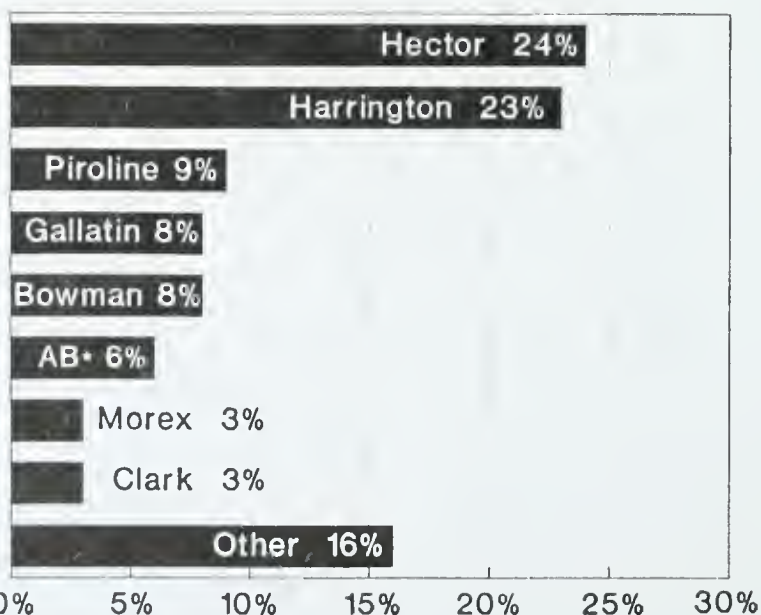
M -- American Malting Barley Association, Inc. recommended for malting and brewing for Montana

\* -- includes varieties recommended for malting and brewing for Montana

## TOP THREE BARLEY VARIETIES AND PERCENT PLANTED BY DISTRICT



## 1992 BARLEY VARIETIES



\*AB Varieties combined

**MONTANA'S RANK AMONG THE LARGER WINTER WHEAT,  
SPRING WHEAT, DURUM WHEAT & BARLEY PRODUCING STATES**

STATE	1992 SEEDED ACREAGE (000)	RANK
<b>Winter Wheat</b>		
KANSAS	12,000	1
OKLAHOMA	7,400	2
TEXAS	5,900	3
COLORADO	2,650	4
MONTANA	2,600	5
NEBRASKA	2,350	6
WASHINGTON	2,200	7
SOUTH DAKOTA	1,650	8
MISSOURI	1,500	9
ILLINOIS	1,450	10
OHIO	1,230	11
ALL OTHER	<u>10,167</u>	
US TOTAL	51,097	
<b>Spring Wheat</b>		
NORTH DAKOTA	9,200	1
MINNESOTA	2,800	2
SOUTH DAKOTA	2,700	3
MONTANA	2,650	4
IDAHO	730	5
WASHINGTON	450	6
ALL OTHER	<u>228</u>	
US TOTAL	18,758	
<b>Durum Wheat</b>		
NORTH DAKOTA	2,200	1
MONTANA	130	2
CALIFORNIA	57	3
ARIZONA	45	4
SOUTH DAKOTA	30	5
MINNESOTA	<u>10</u>	6
US TOTAL	2,472	
<b>Barley</b>		
NORTH DAKOTA	2,700	1
MONTANA	1,350	2
IDAHO	740	3
MINNESOTA	700	4
WASHINGTON	450	5
SOUTH DAKOTA	400	6
CALIFORNIA	230	7
OREGON	170	8
ALL OTHER	<u>1,042</u>	
US TOTAL	7,782	

